

## **ONR Repair Technology (REPTECH) Project Description: Assessing the Impact of Implementing Unique Identification (UID) at Navy and Marine Corps Depots**

### **Phase 2: In-Depth Analysis of the Impact of UID on Depots**

**Ref: (A)** “Unique Identification (UID) of Tangible Items – New Equipment, Major Modifications and Reprocrements of Equipment and Spares”, Robert T. Mason, Assistant Deputy Under Secretary of Defense (Maintenance Policy, Programs and Resources), 17 December 2003

**(B)** “Policy for Unique Identification (UID) of Tangible Items – New Equipment, Major Modifications, and Reprocrements of Equipment and Spares”, Michael W. Wynne, Acting Under Secretary of Defense (Acquisition, Technology and Logistics), 29 July 2003

### **Objective**

The objective of Phase 2 is to perform an in-depth assessment of the impact of UID on depots, in preparation for the implementation of UID on 1 January 2005, as directed in Reference (A). This Phase 2 study will be completed before the UID implementation date of 1 January 2005.

### **Scope**

In Phase 2 we will continue to study the four depots identified in Phase 1. No additional sites will be visited. In Phase 2, the study will be expanded to include all parts that will likely come in to the depots already marked, all those parts that are likely to get marked after being reworked at the depots, and all parts likely to require marks after being manufactured at the depots. In Phase 2, a small number of actual depot parts will be marked and read to fully understand the difficulties likely to be encountered in the eventual UID implementation. To do this, we are assuming that we can either get a vendor to mark some of our parts as a demo of their equipment, or we can use the marking equipment currently in place at Cherry Point. Also, a UID (Data Matrix) reader will have to be purchased or borrowed from Cherry Point.

### **Schedule**

Project Duration: 6 months

Start Date: 1 June 2004

End Date: 30 November 2004

### **Tasks**

The tasks to be completed in Phase 2 are as follows:

- Visit each of the four specified depots and interview appropriate depot personnel to learn about inducted parts, reworked parts, manufactured parts, workload, and maintenance processes
- Identify all parts that are inducted, reworked, or manufactured at the depots that are likely to require UID marking
- Collect workload information for the identified parts

- Determine the likely size, location, and marking technology for the UID symbols to be applied to the identified parts
- Contact vendors to learn about UID marking and reading equipment and the associated processes
- Identify the steps necessary to implement the DoD's UID policy for parts that go through the depots
- Estimate the cost of labor, material, and equipment necessary to apply and read the UID symbols at each depot
- Estimate the time required for each depot to complete the identified UID implementation steps
- Select some candidate parts at a depot, mark them with UID symbols, and read those symbols at a later step in the maintenance process; identify any difficulties
- Attend any DoD UID-related meetings, symposia, and workshops to stay abreast of new developments and policies

### **Deliverables**

The deliverable will be a general assessment of the impact of the DoD's UID policy on Navy and Marine Corps highest echelon depots, based on an in-depth study conducted at four selected depots. This assessment will be contained in a Final REPTECH Project Report and will include the following information:

- Recommended UID implementation steps (expanded and refined from Phase 1)
- Estimated costs of UID implementation (expanded and refined from Phase 1)
- Timeline for UID implementation (expanded and refined from Phase 1)
- List of issues outside the depots' control that will affect their UID implementation (expanded and refined from Phase 1)

### **Project Funding**

Amount: \$150K (est.)

Source: Navy/Marine Corps

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